



Attorney/Docket No. 23100.64
Customer No. 000027683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	§	
McAnalley et al.	§	Group Art Unit: 1654
	§	
Serial No. 10/797,344	§	Examiner: N/A
	§	
Filed: March 10, 2004	§	Confirmation No.: 4291
	§	
For: COMPOSITIONS OF PLANT	§	
CARBOHYDRATES AS	§	
DIETARY SUPPLEMENTS	§	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

Pursuant to 37 CFR §1.98(d), no copies of the cited references are enclosed since the references were provided in the parent application, U.S. Serial No. 09/242,215.

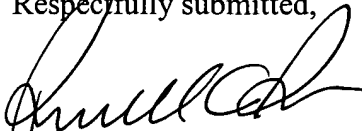
It is requested that the Examiner fully consider the cited references and that they be cited on the front of any patent issuing from this application.

An early action on the merits is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Respectfully submitted,



Randall C. Brown

Registration No. 31,213

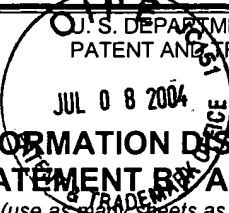
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Ellen Lovelace
Printed Name

Ellen Lovelace
Signature

In place of PTO-1449 Form				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known Application Number: 10/797,344 Filing Date: March 10, 2004 Applicant(s): McAnalley et al. Art Unit: 1654 Examiner Name: Unknown Attorney Docket Number: 23100.64	
SHEET	1	OF	10				

U. S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
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		3,947,601	3/1976	Ortega
		4,260,603	4/1981	Pegel et al.
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Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - Kind)	Publication Date MM-DD-YYYY	Patentee or Applicant of Cited Document	Translation Y/N
		WO 9506068 A1	03/1995	YAMADA et al.	
		WO 9303727	04/1993	Hilsted	
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		EP 0052171	5/1982		
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		WO 98 06418	2/1998		
		JP 63294766 A	12/1988	TAMAI, SEIJI	

Examiner Signature		Date Considered	
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In place of PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/797,344
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				Applicant(s)	McAnalley et al.
				Art Unit	1654
				Examiner Name	Unknown
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OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume- issue number(s), publisher, city/country where published
		Citkowitz, E., Developmental Biology (1972), 27: 494-503. "Analysis of the Isolated Hyaline Layer of Sea Urchin Embryos."
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		Alan D. Elbein, "Inhibitors of the Biosynthesis and Processing of N-Linked Oligosaccharide Chains," Ann. Rev. Biochem., 1987, Vol. 56, Pages 497-534.
		Richard L. Jackson et al., "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes," Physiological Reviews, 1991, Vol. 71, No. 2, Pages 481-539.
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		Norio Koide et al., "Recognition of IgG by Fc Receptor and Complement: Effects of Glycosidase Digestion," Biochemical and Biophysical Research Communications, 1977, Vol. 75, No. 4, Pages 838-44.
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		Johann Deisenhofer et al., "Crystallographic Structural Studies of a Human Fc Fragment," Hoppe-Seyler's Z. Physiol. Chem., 1976, Vol. 357, Pages 1421-1434.
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		Donald J. Davidson et al., "The Influence of the Nature of the Asparagine 289-linked Oligosaccharide on the Activation by Urokinase and Lysine Binding Properties of Natural and Recombinant Human Plasminogens," J. Clin. Invest., July 1993, Vol. 92, Pages 249-254.
		Susan C. Howard et al., "Oligosaccharides at each Glycosylation Site Make Structure-Dependent Contributions to Biological Properties of Human Tissue Plasminogen Activator," Glycobiology, 1991, Vol. 1, No. 4, Pages 411-417.
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		Frank I. Comer and Gerald W. Hart, "Dynamic Glycosylation of RNA Polymerase II," Molecular Biology of the Cell Abstracts, Abstract 2414, 1995, Page 415a.
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		Ralf Niehues et al., "Carbohydrate-Deficient Glycoprotein Syndrome Type 1b," J. Clin. Invest., April 1998, Vol. 101, No. 7, Pages 1414-1420.
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		K. Panneerselvam et al., "Abnormal Metabolism of Mannose in Families with Carbohydrate-Deficient Glycoprotein Syndrome Type I," <i>Biochemical and Molecular Medicine</i> , 1997, Vol. 61, Pages 161-167.
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		Barry P. Peters, et al., "O-Glycosylation of the α -Subunit Does Not Limit the Assembly of Chorionic Gonadotropin $\alpha\beta$ Dimer in Human Malignant and Nonmalignant Trophoblast Cells," Endocrinology, 1989, Vol. 124, No. 4, Pages 1602-1612.		
		James M. Roseman, et al., "The Effect of L-Fucose on Rat Mammary Tumor Growth, II <i>In Vitro</i> Studies" Journal of Surgical Oncology, 1971, Vol. 3(1), Pages 79-88.		
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		Ghislain Opdenakker, et al., "Cells Regulate the Activities of Cytokines by Glycosylation," The FASEB Journal, March 1995, Vol. 9, Pages 456-457.		
Examiner Signature			Date Considered	

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In place of PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/797,344
				Filing Date	March 10, 2004
				Applicant(s)	McAnalley et al.
				Art Unit	1654
				Examiner Name	Unknown
SHEET	9	of	10	Attorney Docket Number	23100.64

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume- issue number(s), publisher, city/country where published
		Andrew V. Muchmore and Jean M. Decker, "An Immunosuppressive 85-Kilodalton Glycoprotein Isolated From Human Pregnancy Urine is a High Affinity Ligand for Recombinant Interleukin 1 α ," The Journal of Biological Chemistry, 1986, Vol. 261, No. 29, Pages 13404-13407.
		Tristram G. Parslow and Dorothy F. Bainton, "Innate Immunity," <u>Medical Immunology</u> , Ninth Edition, 1997, Pages 25-42.
		Philip H. Petra, et al., "Complete Enzymatic Deglycosylation of Native Sex Steroid-Binding Iprotein (SBP or SHBG) of Human and Rabbit Plasma: Effect on the Steroid-Binding Activity," Protein Science, 1991, Vol. I, Pages 902-909.
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		Jacques U. Baenziger, "Editorial: Glycosylation: To What End for the Glycoprotein Hormones?" Endocrinology, 1996, Vol. 137, No. 5, Pages 1520-1522.
		Bruce D. Weintraub, "TSH Immunoassay: Relationship Between Glycosylation & Bioactivity," Nucl. Med. Biol., 1990, Vol. 17, No. 7, Pages 657-660.

Examiner Signature		Date Considered	
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SHEET	10	of	10		

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume- issue number(s), publisher, city/country where published
		John W. Cassels, et al., "Reduced Metabolic Clearance of Acidic Variants of Human Chriogonadotropin From Patients With Testicular Cancer," Cancer, 1989, Vol. 64, Pages 2313-2318.
		Wolfgang Jelkmann, "Erythropoietin: Structure, Control of Production, and Function," Physiological Reviews, April 1992, Vol. 72, No. 2, Pages 449-489.
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		Eric D. Green and Jacques U. Baenziger, "Asparagine-Linked Oligosaccharides on Lutropin, Follitropin, and Thyrotropin," The Journal of Biological Chemistry, 1988, Vol. 263, No. 1, Pages 36-44.
		Eric D. Green, et al., "Differential processing of Asn-Linked Oligosaccharides on Pituitary Glycoprotein Hormones: Implications for Biologic Function," Molecular and Cellular Biochemistry, 1986, Vol. 72, Pages 81-100.
		L. S1. Haro, et al., "Glycosylated Human Prolactin: Alterations in Glycosylation Pattern Modify Affinity for Lactogen Receptor and Values in Prolactin Radioimmunoassay," Journal of Clinical Endocrinology and Metablism, 1990, Vol. 71, No. 2, Pages 379-383.
		Masa-aki-Hattori, et al., "Sialic Acid Moiety is Responsible for the Charge Heterogeneity and the Biological Potency of Rat Lutropin," Biochemical and Biophysical Research Communications, March 1985, Vol. 127, No. 2, Pages 501-508.
		Eylard V. Van Hall, et al., "Immunological and Biological Activity of HCG Following Progressive Desialytation," February 1971, Vol. 88, Pages 456-464.
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